

Title (en)
3-amino-3-arylpropan-1-ol-derivates, their preparation and their use

Title (de)
3-Amino-3-arylpropan-1-ol-Derivate, deren Herstellung und Verwendung

Title (fr)
Dérivés 3-Amino-3-arylpropan-1-ol leur préparation et leur usage

Publication
EP 1043307 B1 20030604 (DE)

Application
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Priority
DE 19915601 A 19990407

Abstract (en)
[origin: EP1043307A2] 3-Amino-3-(hetero)aryl-propan-1-ol derivatives (I) are new. The 3-amino-3-(hetero)aryl-propan-1-ol derivatives are compounds of formula (I), including their enantiomers and diastereoisomers, and their addition salts. A = aryl optionally containing hetero atoms and/or optionally substituted; R<1>, R<2> = 1-6C alkyl; or R<1> + R<2> = form 2-6C alkylidene optionally substituted with phenyl; R<3> = 3-6C alkyl, 3-6C cycloalkyl, aryl (optionally containing hetero atoms and optionally substituted with R<6>-R<8>) or a group of formula (i); R<4>, R<5> = 1-6C alkyl, 3-6C cycloalkyl, phenyl, benzyl or phenethyl; or R<4> + R<5> = form 3-6C alkylidene or -CH₂CH₂OCH₂CH₂-; R<6>-R<8> = H, F, Cl, Br, CHF₂, CF₃, OH, OCF₃, OR<14>, NR<15>R<16>, SR<14>, phenyl, SO₂CH₃, SO₂CF₃, 1-6C alkyl, CN, COOR<14> or CONR<15>R<16>; or R<6> + R<7> = form -OCH₂O-, -OCH₂CH₂O-, -CH=CHO-, -CH=C(CH₃)O- or -(CH₂)₄-; R<14> = 1-6C alkyl, phenyl, benzyl or phenethyl; R<15>, R<16> = H, 1-6C alkyl, phenyl, benzyl or phenethyl; n = 1-3; 1-benzyl-2-(dimethylaminophenylmethyl)cyclohexanol and its reaction product with CH₃I are excluded. An Independent claim is also included for the preparation of compounds (I).

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IPC 8 full level
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Cited by
JP2009520720A; DE10213051A1; JP4896157B2; EP1043306A3; CN100434421C; US8058475B2; WO2007079930A1; US7012099B2; USRE39530E; US6784175B2; WO0147506A3; WO0189505A1; US7230018B2; WO02066432A1

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